

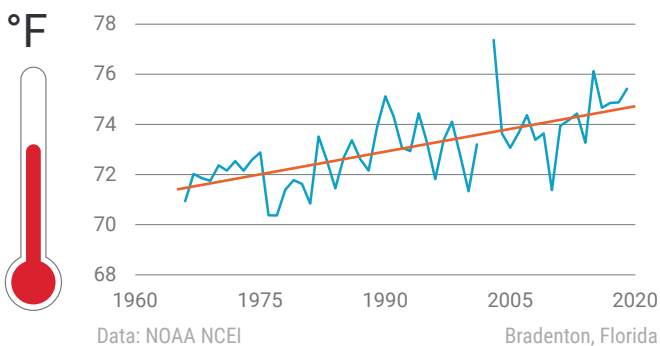
CLIMATE CHALLENGES

Historic Neighborhoods

Sarasota & Manatee Counties, Florida

Just one inch of rainfall over 1,000 square feet of roof and driveway can generate 620 gallons of water. Some historic, low-lying neighborhoods lack sufficient infrastructure to handle all this water. Rising temperatures are expected to intensify rainfall and storms, exacerbating flooding in these already troubled areas.

Rising Temperatures. Locally, average annual air temperatures are 3.2°F warmer since 1966. Scientists project that future greenhouse gas emissions will continue to drive temperatures higher.



Heavier downpours. With every 1°F rise, the atmosphere can hold 4% more water vapor, making more moisture available for heavy downpours.



Intensifying storms. Higher energy from warming oceans can increase the intensity of tropical, storms, and hurricanes. Hurricane intensity is increasing globally.



CLIMATE SOLUTIONS

Historic Neighborhoods

Sarasota & Manatee Counties, Florida

Conserving energy and transitioning to renewable energy sources will slow climate change, but we will still need to adapt to intensifying rainfall and storms.

Discover your property's flood risk at Floodfactor.com.

Contact your local government to explore community-wide solutions to flooding, like creating bioswales or incorporating other Green Infrastructure solutions.

Explore solutions to reduce runoff and alleviate flooding where you live and work.

- Use rain barrels to capture and store rainwater.
- Reroute rain gutters away from driveways into landscaping.
- Replace concrete drive and walkways with shell or pervious pavers so rain can percolate into the ground.
- Plant trees and rain gardens that can soak up water
- Prevent litter from clogging stormwater pipes
- Waterproof your home with coatings, sealants, and nonporous floors, raised electrical outlets, and a sump pump.
- Elevate or relocate structures to higher ground.

Watch Now!

CLIMATE STORIES VIDEO SERIES

ScienceAndEnvironment.org/Climate

Featuring:

**"GLOSSIE"
ATKINS**

Newtown Resident
and
Former Mayor
City of Sarasota

**WALTER
GILBERT**

Newtown
Resident

**MOLLIE
HOLLAND**

NEST
Sarasota County

